

ABSTRACT OF THE DISCLOSURE

A mobile phone has various components, including a housing and a battery, and an accelerated ambient temperature measurement module for measuring the ambient temperature of the environment surrounding the user equipment based on the temperature of at least one point in the mobile phone. The at least one point may include one or more points in relation to one or more of the various components. The accelerated ambient temperature measurement module measures the accelerated ambient temperature based on the temperature of the housing or the battery. The mobile phone has a resistor arranged in relation to either the housing or battery, and the accelerated ambient temperature measurement module determines the accelerated ambient temperature based on certain equations.